

Welcome Back!

- Please find a partner

**bonus points for off-grade, different disciplines,
or pairs of complete strangers!*

- From your summer, please share...
 - something you discovered
 - something you confirmed
 - something you wonder about



Getting Started...

- Interview & Swap:
 - What do you enjoy doing outside of school?
 - What are you interested in learning more about?
 - How and from whom do you enjoy learning outside of school?
 - What “expertise” do you have to share with others (aka: what are you good at)?
- Individually, complete Google form:



The image shows a form titled "StAB Interest/Skills" from St. Anne's Belfield School. The form has a blue and white border with a pattern of blue and red shapes. The school's logo, which features a red cross and the text "ST. ANNE'S BELFIELD SCHOOL", is in the top right corner. The form contains two sections, both marked with a red asterisk to indicate they are required. The first section is titled "3 Things I like to do/learn" and asks the respondent to list three things they like to do or learn about. The second section is titled "3 Things I have experience with, or am 'Good' at" and asks the respondent to list three things they have experience with or consider themselves good at. Both sections have a large, empty rectangular box for writing.

StAB Interest/Skills

*** Required**

3 Things I like to do/learn *
Please list 3 things you like to do or learn about

3 Things I have experience with, or am "Good" at
Please list 3 things you have experience with or consider yourself "good at"

<http://tinyurl.com/StABStart>

<http://tinyurl.com/StABonBT>

Our Agenda...

- Welcome & Introductions
- How Do We Grow More Kids Like This?
- Big Picture: How Do Others Explain This?
- What Are Our Starting Steps?
- What Will Be Included in the Process/Stages?
- How Might We Start this Year?
- Who Are Others We Can Learn With?

TAKE
AT LEAST
ONE

A CHANCE

A CHANCE

A CHANCE

A CHANCE

A CHANCE

A CHANCE

Building Capacity

How Do We Grow More Kids Like
This?



The Celebrity Chef

Celebrity Chef

What Do You Notice?

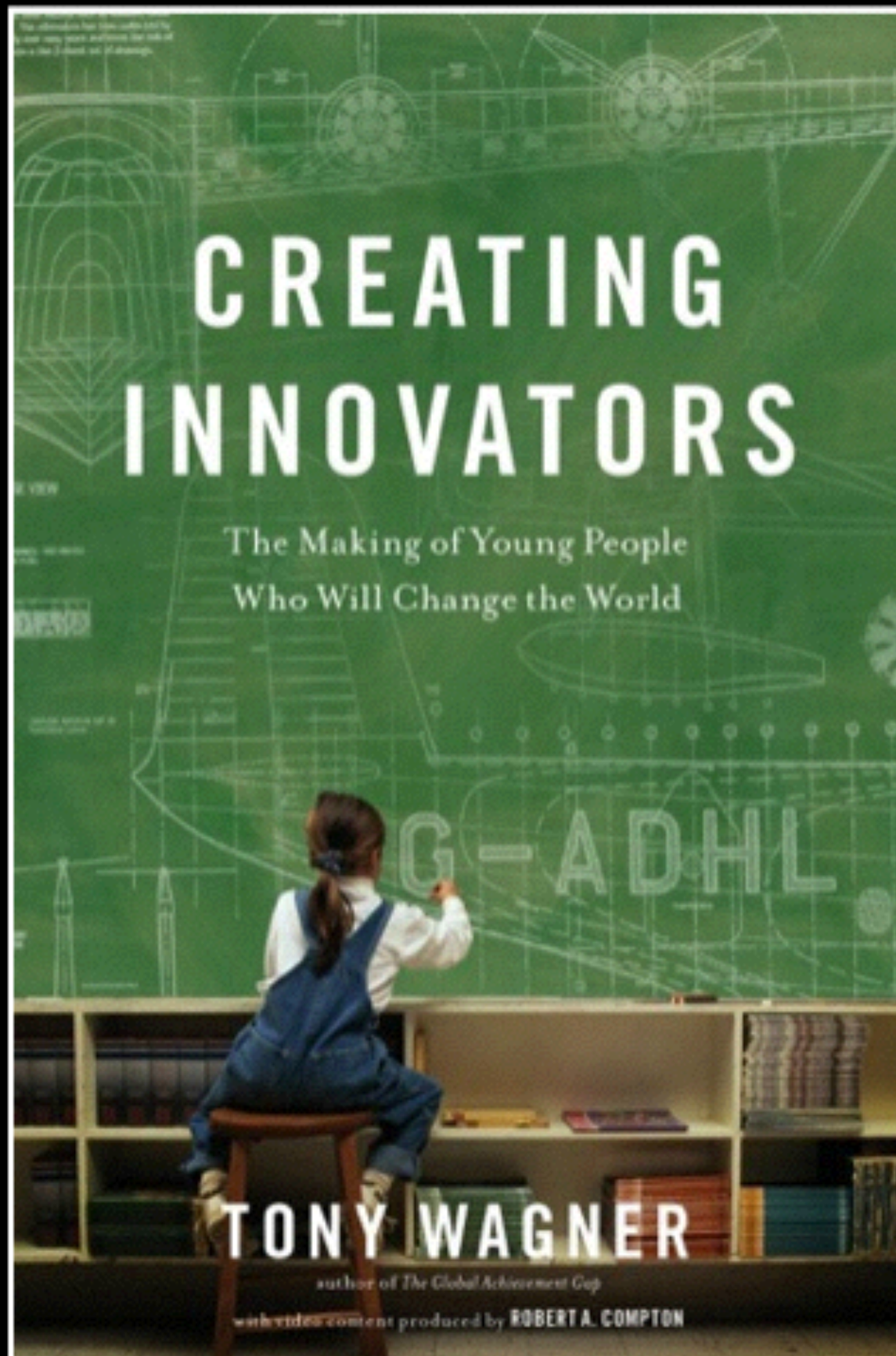
The Apple Kid

The Apple Kid

What Do You Notice?

Sylvia's Super-Awesome Maker Show

What Do You Notice?

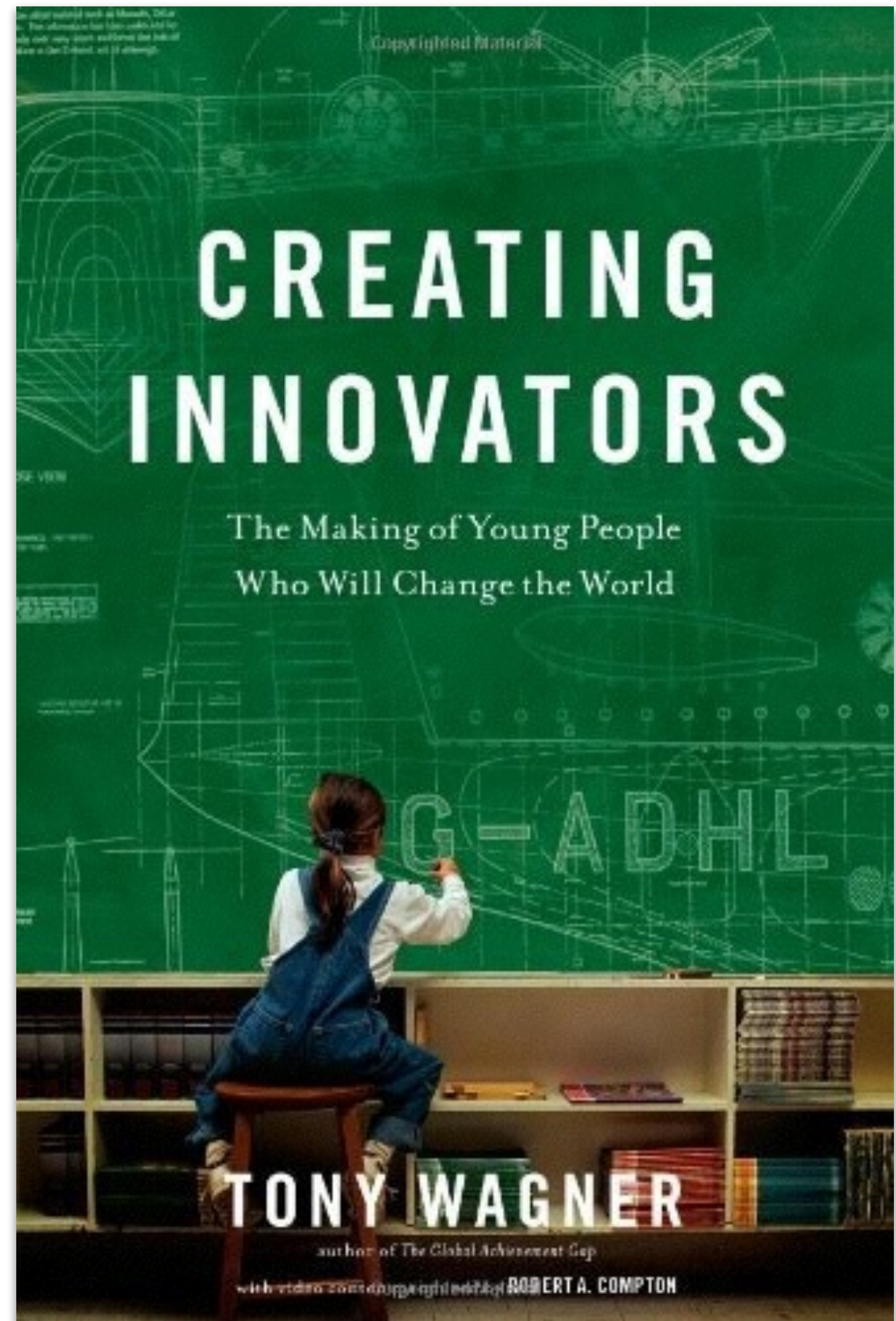


“The challenge is to set up systems that allow students to follow their interests. People tend to dichotomize approaches in education: The teacher is either telling students what to do, or standing back and letting them figure it out. I think that’s a false choice:

The issue is not structure versus no structure, but rather **creating a different structure.**”

7 Survival Skills

- Critical thinking & problem-solving
- Collaboration across networks & leading by influence
- Agility & adaptability
- Initiative & entrepreneurialism
- Effective oral & written communication
- Accessing & analyzing information
- Curiosity & imagination



7 Trans-Disciplinary Habits of Mind

- Perceiving
- Patterning
- Abstracting
- Embodied thinking
- Modeling
- Deep Play or Transformational Play
- Synthesizing



by Punya Mishra, Matthew J. Koehler & Danah Henriksen

<http://balancedtech.wikispaces.com/Skills+Lists>

Big Picture

How Do Others Explain This?



Un/Familiar Names

- Thinkering Studio
- Genius Hour
- 20% Time
- Big Picture Schools
- Eagle Scout Projects
- SOLEs
- Community Service
- Sci Blogging
- Writer's Workshop



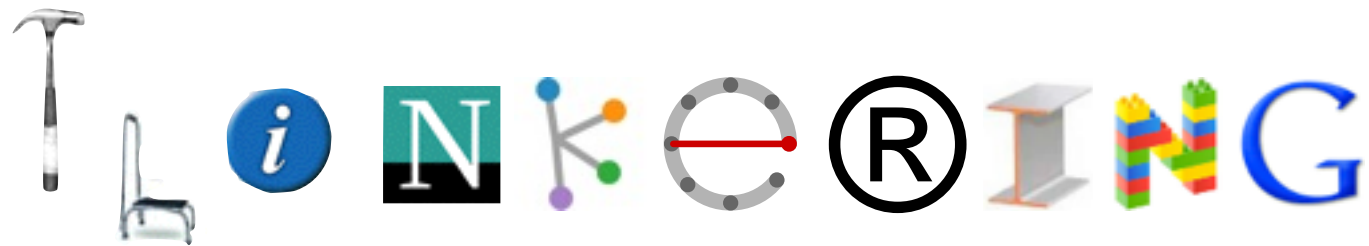
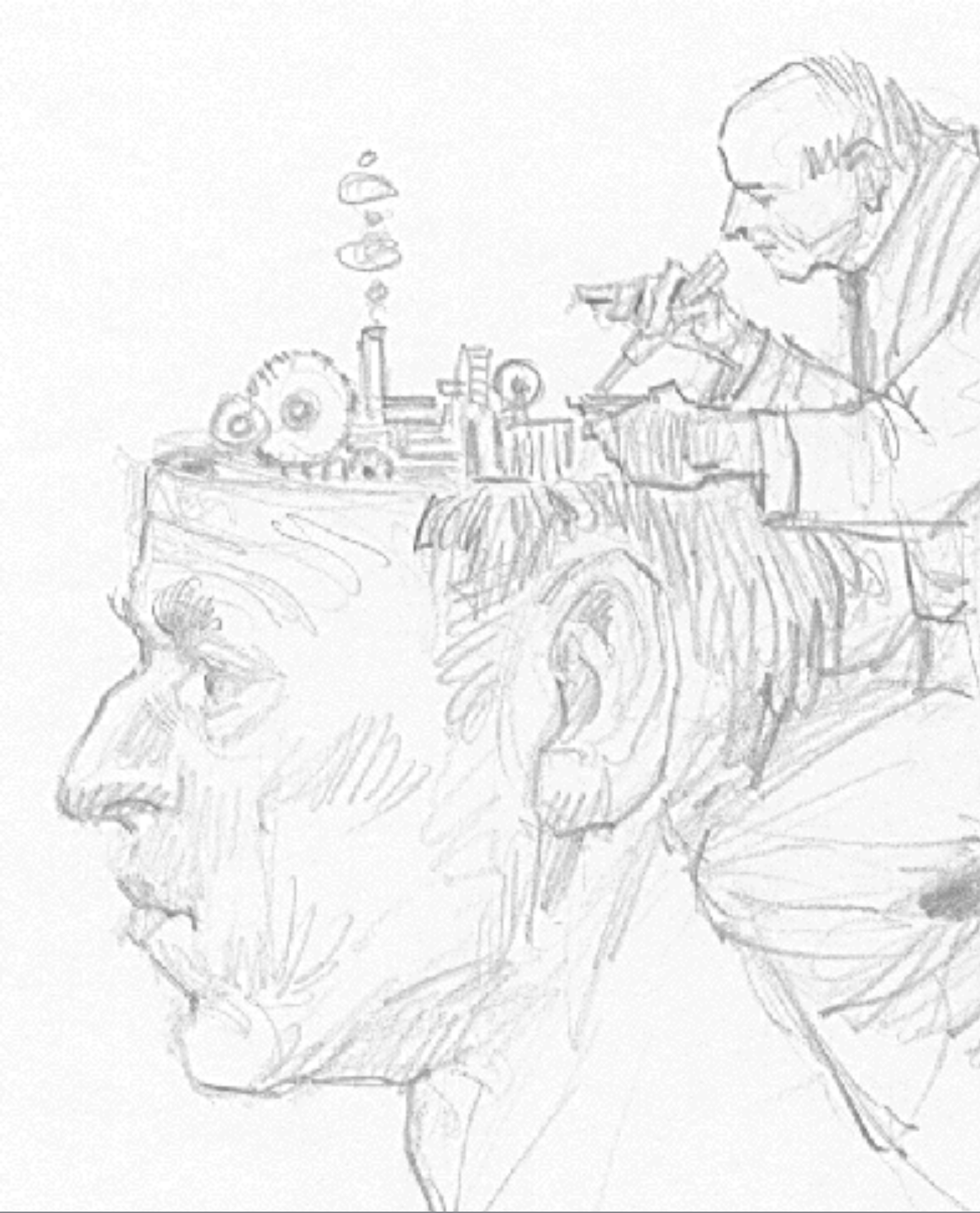
3 FACTORS LEAD TO BETTER
PERFORMANCE & PERSONAL
SATISFACTION...

AUTONOMY
MASTERY
PURPOSE



Purpose - Autonomy - Mastery

PAM v MAP

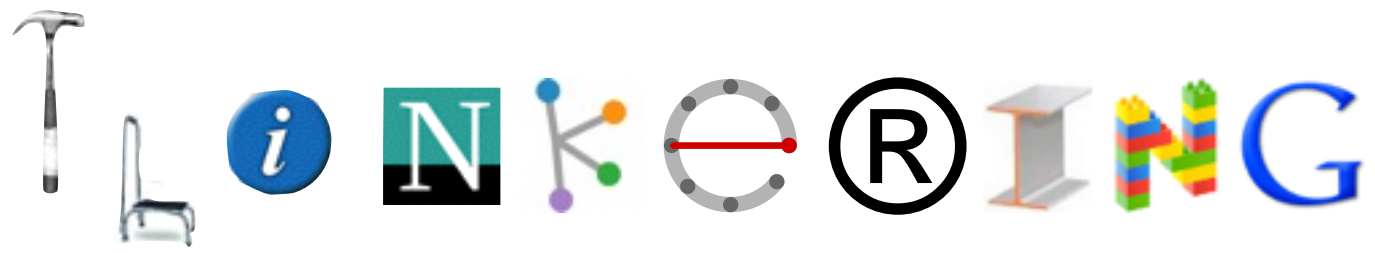




is ...

- ... the arts
- ... exploration, problem-solving, collaboration ...





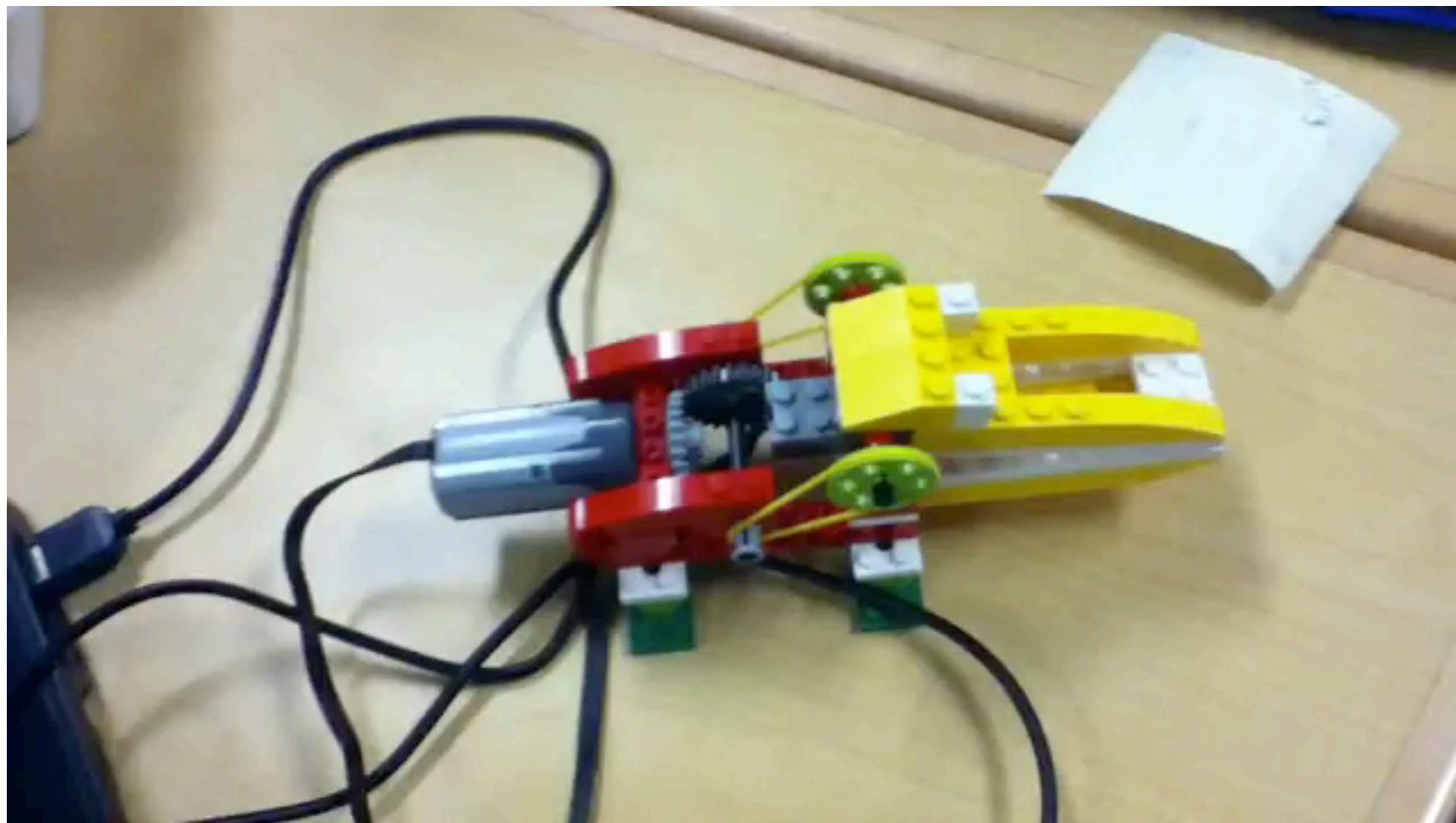
is ...

- ... STEaM
- ... girls teaching themselves to program.





is ...



- ... building, programming, tweaking, documenting ...



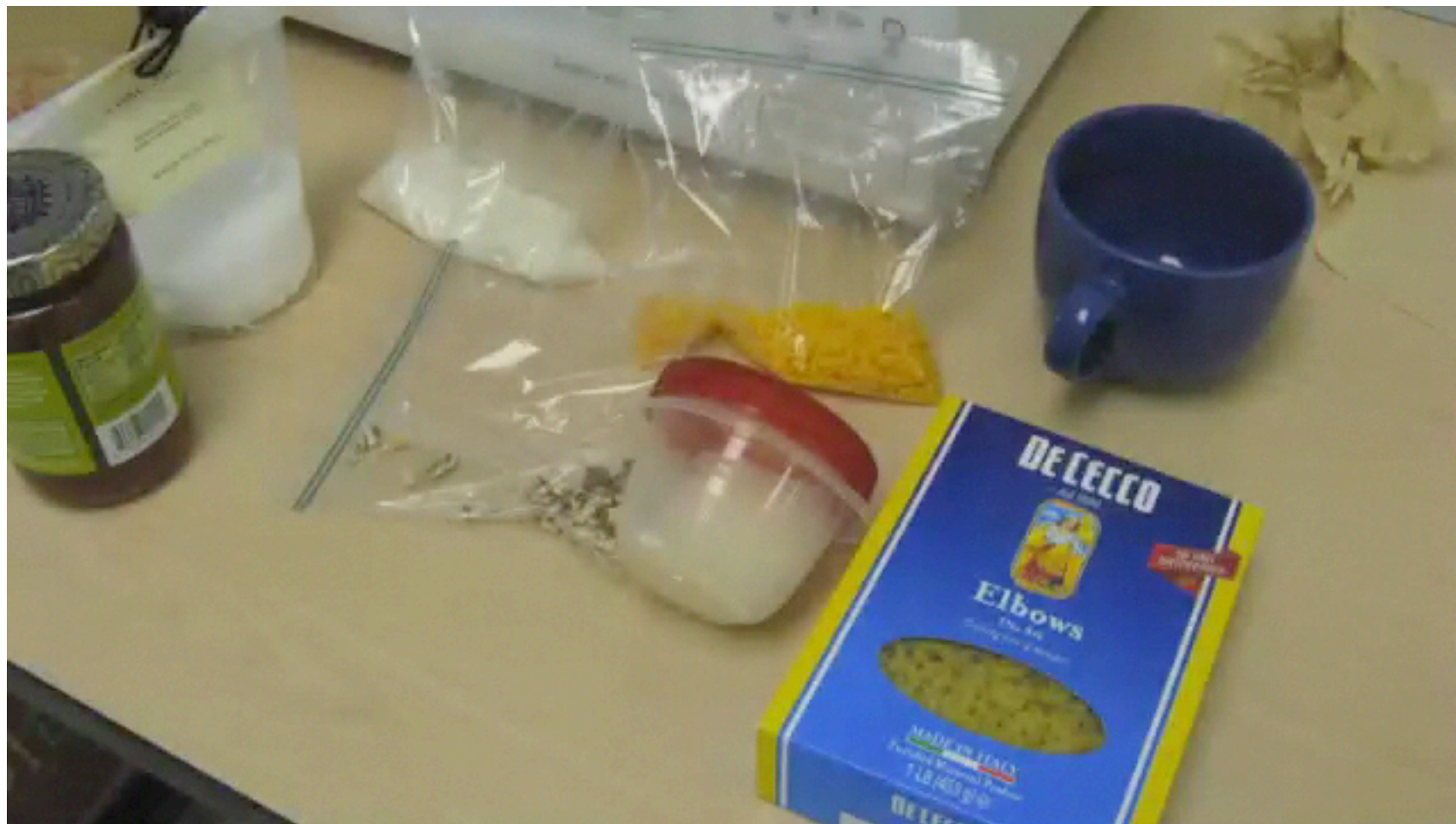
is ...

- ... finding an outside “expert” to help.





is ...



- ... important life skills ...



is ...

Here our pictures!

- ... documenting your work.





is ...

- ... crafting your own iDevice case ...

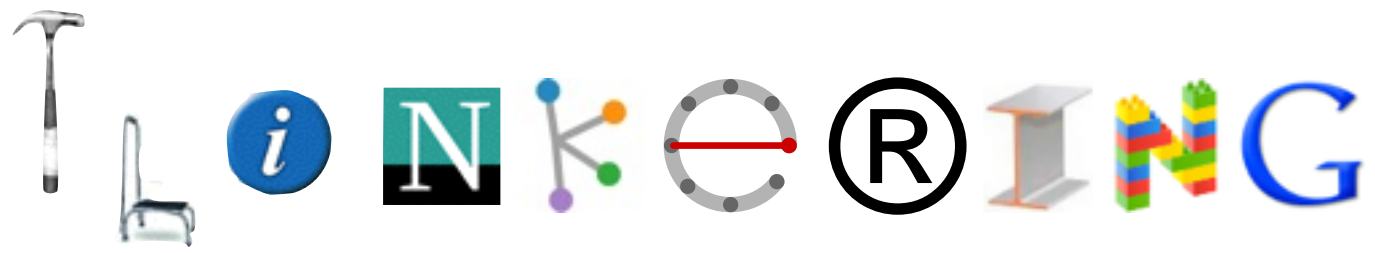




is ...

- ... becoming a LEGO Master Builder ...





is ...

- ... planning, measuring, making mistakes, modifying, cleaning ...





is ...



- ... experimenting with new tools ...



is ...

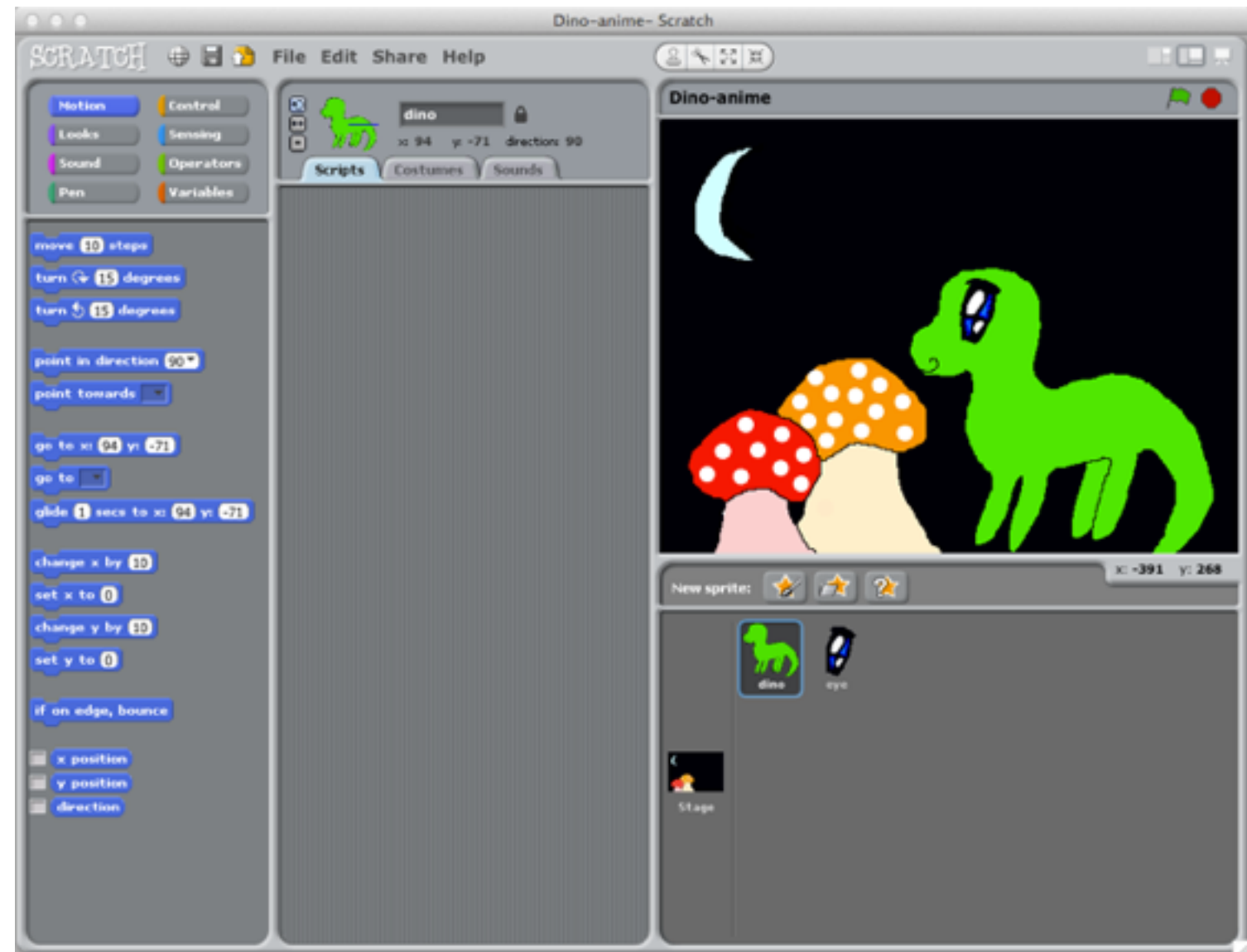


- ... sharing your newly learned expertise with others ...



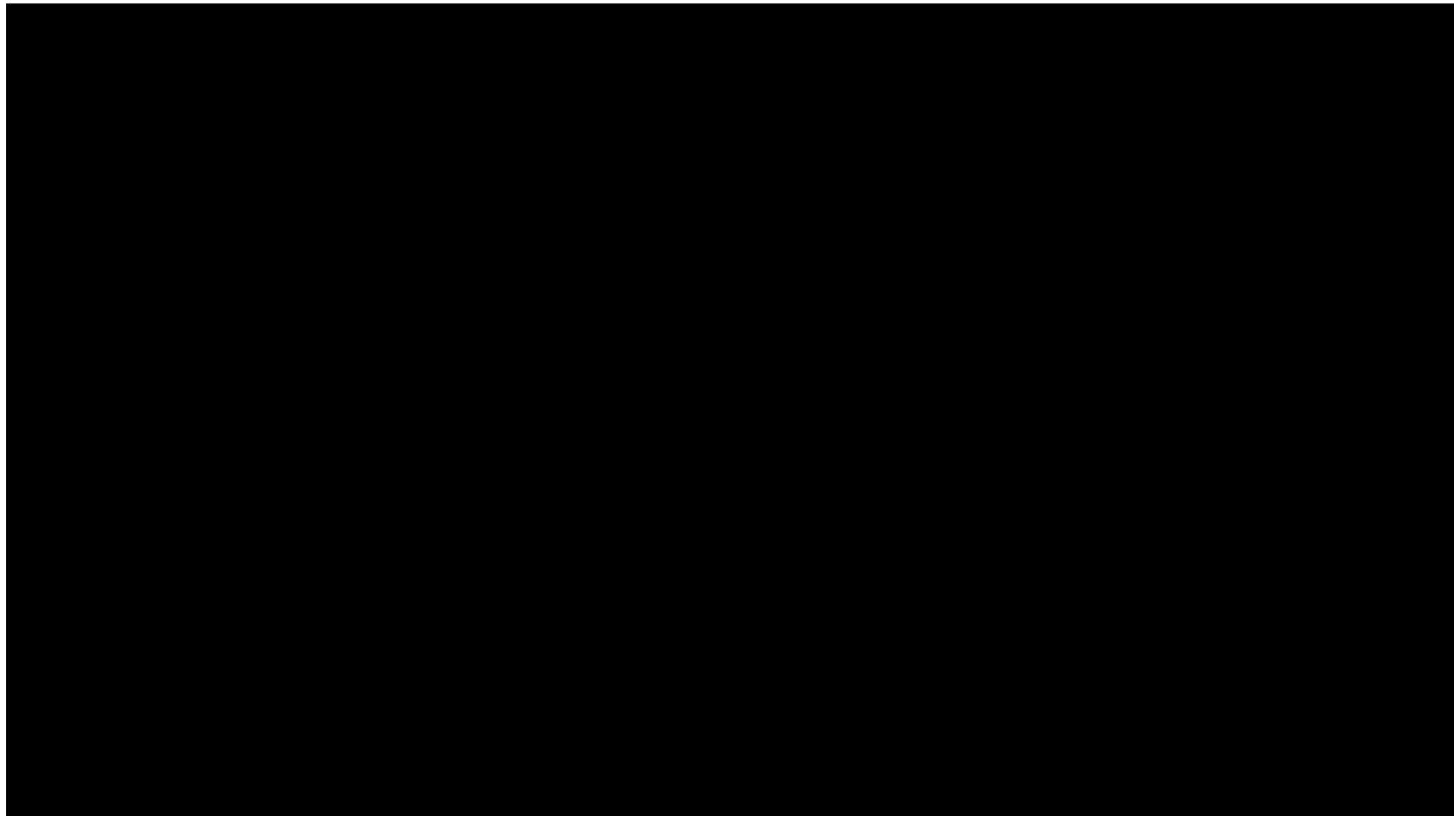
is ...

- ... Scratching an artistic itch ...





is ...



- ... being so excited and working on your project outside of school ...



is ...



- ... and into summer ...

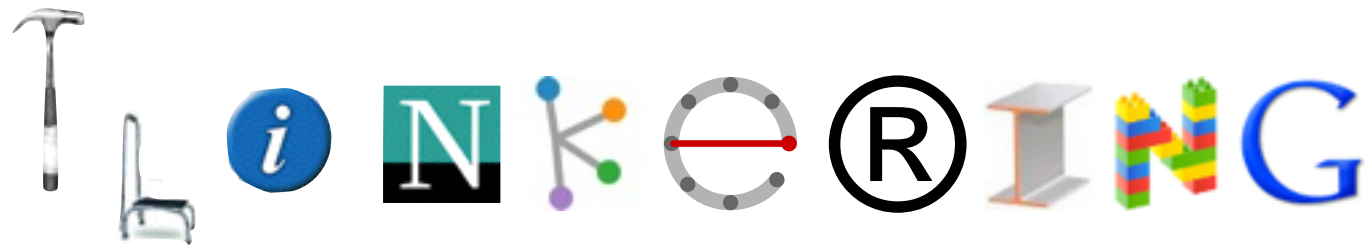
T L i N K E R I N G

Superman & D i

is ...

- ... doing what you love in and out of school...





is ...

- ... having an epic goal and knowing it will take a year or more to get there...



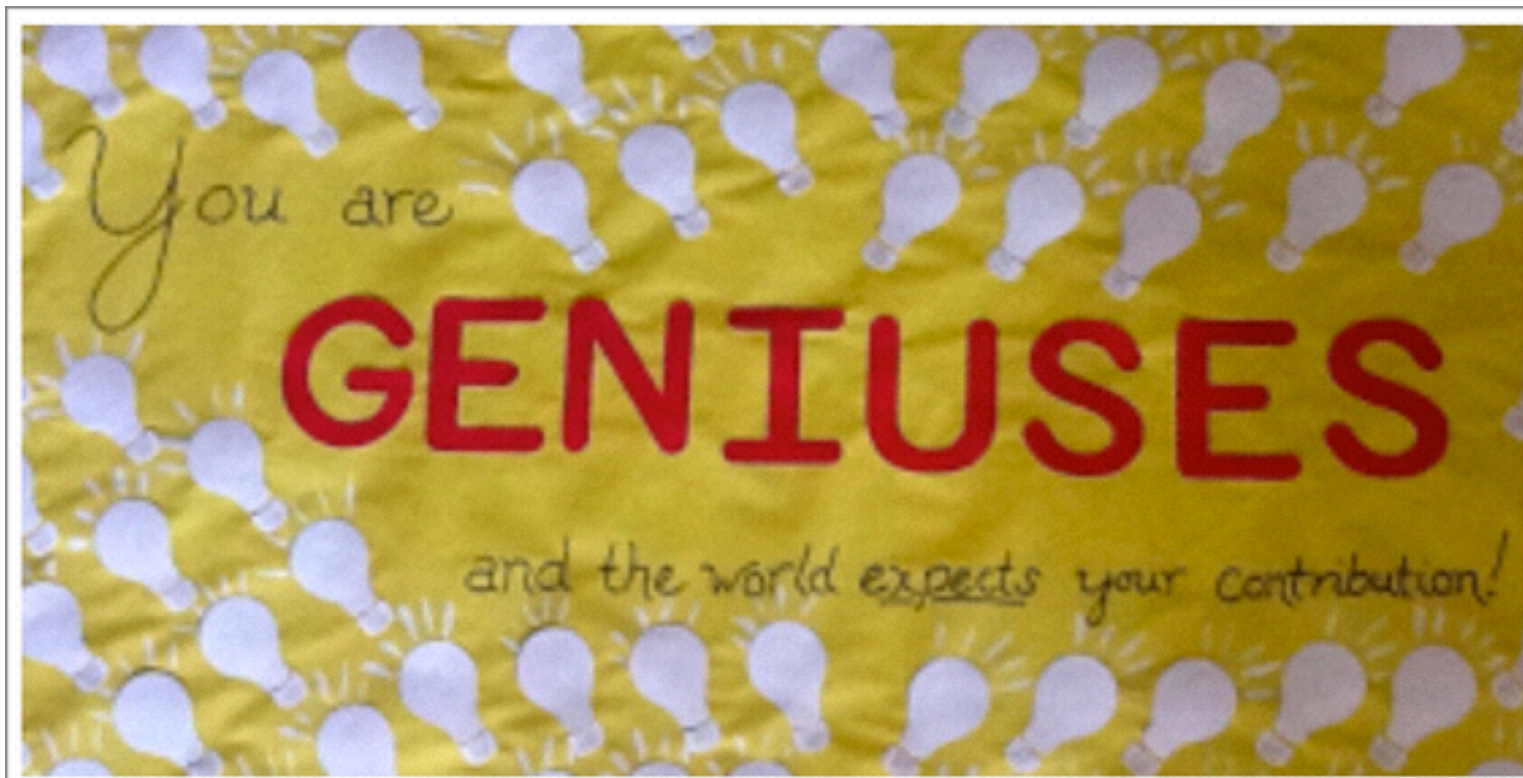


is ...

- ... an elective class at Birmingham Covington School.
- ... that meets twice a week for 50 minutes all year (for up to 4 years).



Genius Hour/PSI



Problem Solving Innovators

Elements of P-S-I

- Where do you see evidence of each of the following in your current practice?
- What role(s) do students play in each?
- What is the teacher’s role(s) in each?

Elements of PSI	Student	Teacher
Students will self-plan, direct, and assess the learning process with the support of staff.		
Students will publicly document and reflect on their learning process at multiple intervals of the experience and not just at the end		
Students will reflect on the unintended learning outcomes of their learning experience.		
Students will receive, reflect, and act upon continuous teacher and peer formative feedback throughout the experience		
Students will engage in self-assessment throughout for the purpose of reviewing and revising their learning process.		
Student documentation, reflection, and project artifacts will assist both students and teachers in continuously monitoring progress towards student-generated learning goals		
Students will complete steps of the process in different orders and at different times, sometimes skipping or repeating steps while learning how to persist and overcome challenges		

Visioning Work



Elements of P-S-I

- Where do you see evidence of each of the following in your current practice?
- What role(s) do students play
- What is the teacher’s role(s) i

Student Generated / Teacher Supported

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documentation

reflection

self planning

self direction

self assessment

peer feedback

receiving feedback

acting on feedback

iterations

unintended learning

formative learning assessment

artifacts of learning

goal setting

process centered

persistence, grit, perseverance

multiple pathways

Focusing Efforts

Documentation & Reflection







Questioning


Feedback

Self Planning

Self Monitoring & Assessment






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[Resources](#)
[Visioning Work, PSI](#)

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☆ Resources

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  3
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 ...

Teacher-created Library of PSI Activity, Lessons & Resources To contribute to this page, please add the appropriate tag to your Activity Write-up page

(see image at bottom of page)

Additional resources may be included in the "Materials Needed" section of your page.


Activities, Lessons & Resources listed by PSI Element

Self-Monitoring & Assessment

[Table of Contents](#)

Documentation & Reflection

Activity & Lesson Plans list of pages tagged: dr	Additional Resources
<ul style="list-style-type: none"> Adams Native Americans Albrecht Instant Challenge Arthropod Experts, Gattuso Tassi Biography Research Documentation, Katie Hart Blog Reflection-Leigh, Jedd, McIntyre caudill reflecting on a passion project Clark Documenting on Kidblog Fortman-Adams, Questioning Activity Kristin Williams History Alive D&R Lee Passion Time Reflection Maksymec Presentation Rubric 	<ul style="list-style-type: none"> BalancEdTech - D & R prompts ↗ Class Documentation (blog) ↗ Individual Student documentation (blog) ↗



*S-l-o-w-i-n-g
D-o-w-n*

thinking
tinkering
talking
trying
reflecting
revising
sharing...

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Cohort 1, 2013-14

Resources

Visioning Work, PSI

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☆ Teacher Reflection Journals

Edit

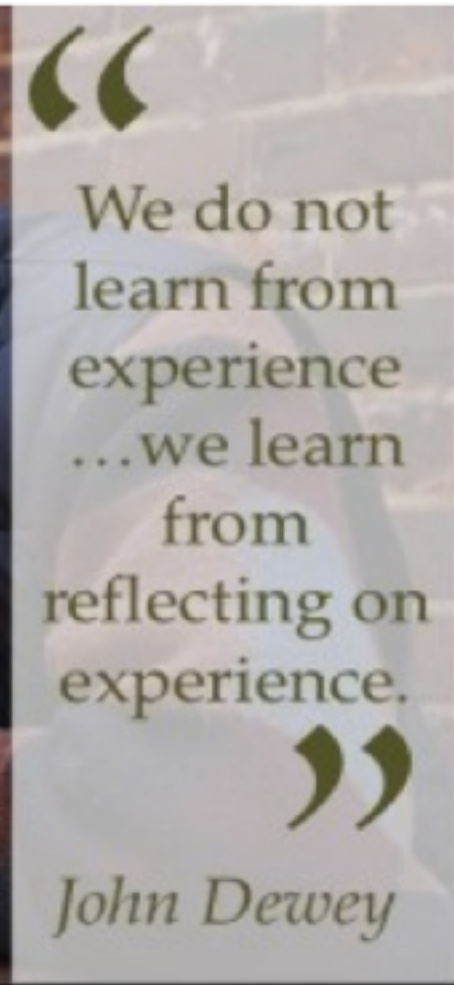
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Teacher Reflection Journals

2013-14 Pilot Group

To make your personal journal page:

- Title: <your full name + PSI Pilot>
- Template: *Teacher Reflections*
- Tags: last name, TR (ex: Truding, TR)
 - SAVE your page
 - Please CHECK to be sure your page appears below.



Professional Learning

documentation & reflection

questioning

peer feedback

planning

self-monitoring & assessment

goal setting

What important pieces
Didn't We Mention?

[https://sites.google.com/a/stab.org/
learn-to-learn-institute/home/fridays](https://sites.google.com/a/stab.org/learn-to-learn-institute/home/fridays)





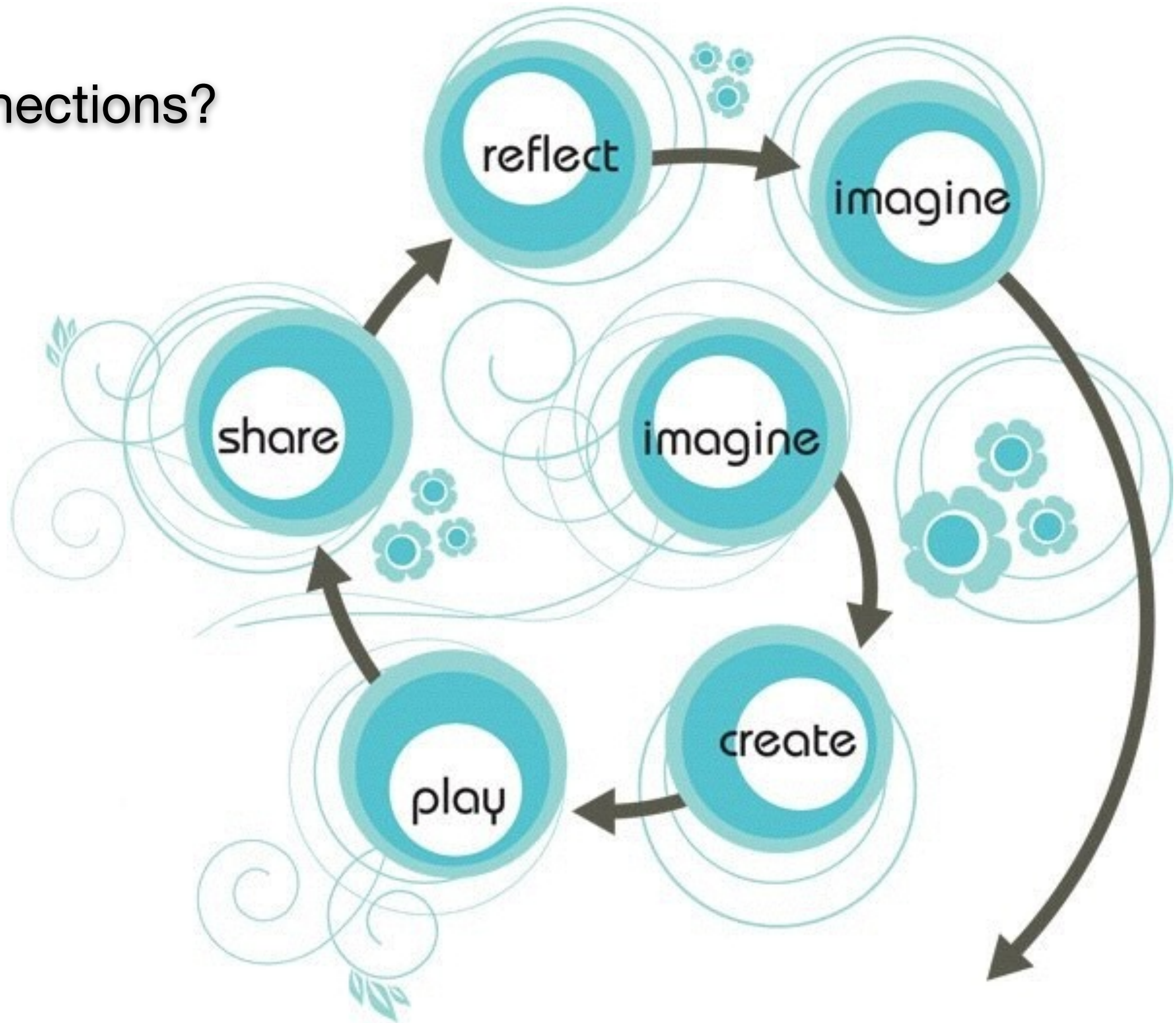
Imagine you are learning how to...

- play 3 songs on the piano
- build a soccer-playing robot
- program a Scratch game, or create a new one

Think - Pair - Share

*What main steps
would you take?*

Connections?



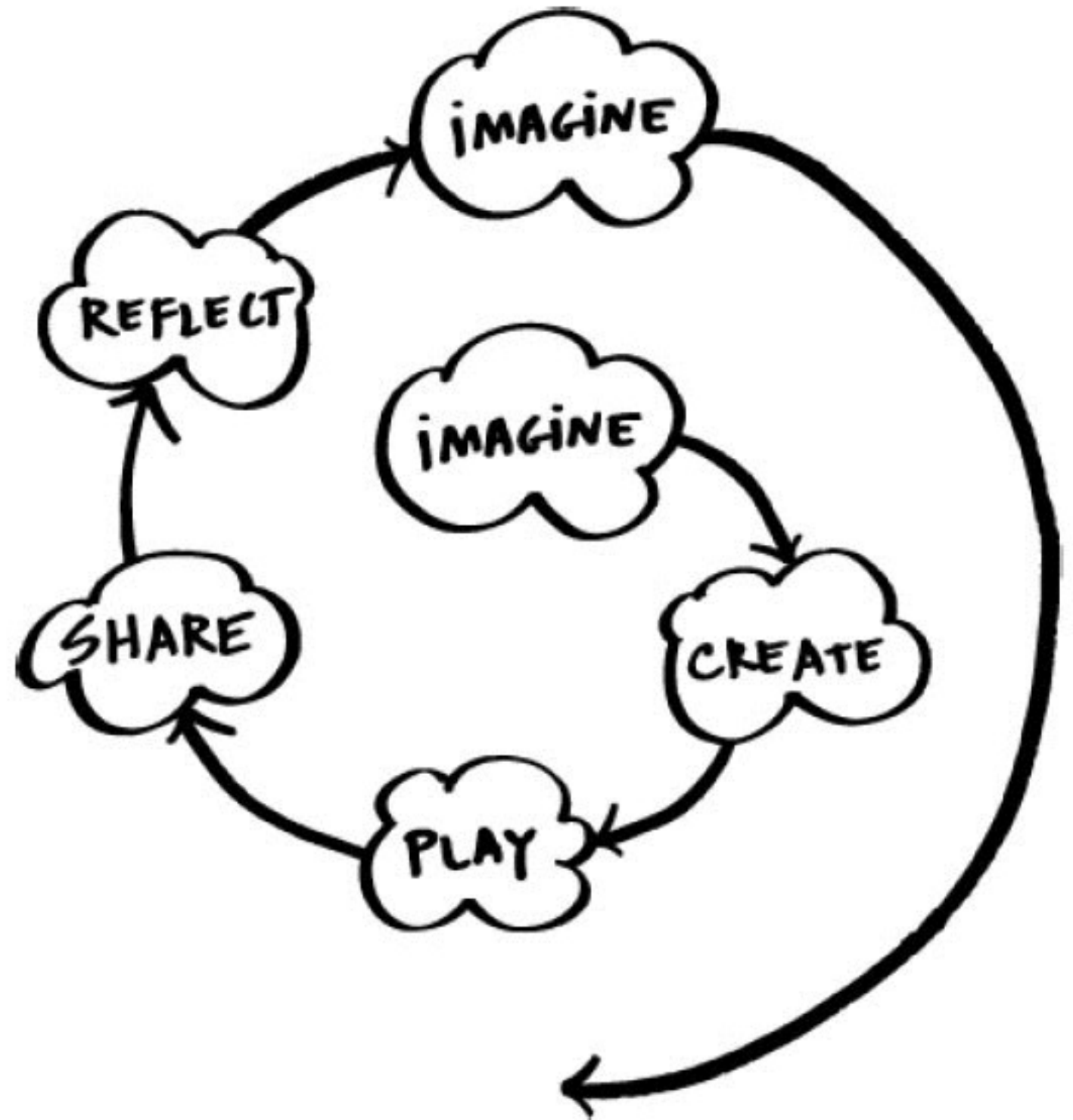
Process/Stages

What are some of the main steps/
stages/processes kids will likely
need to go through?



Thinking Studio's Process

- Exploring Interests & Existing Skills/Knowledge
- Exploring Topics
- Picking A Topic/Question/Challenge
- Gathering Basic Knowledge/Trying Things Out
- Project Planning
- Daily/Weekly Planning
- Daily/Weekly Documentation
- Daily/Weekly Reflection
- Critique Groups/Author's Chair
- Informal Sharing
- Formal Sharing within & outside of Class
- Breadcrumbs
- Portfolios
- Seeking Help
- Maker Faire
- Outside Connections



Introductions...

Introducing Thinkering Studio



First Steps...

Exploring Interests &
Existing Skills/Knowledge



StAB Interest/Skills

*** Required**

3 Things I like to do/learn *
Please list 3 things you like to do or learn about

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Exploring Topics

Select a set of links to explore...

- Which of these can you already picture being a strong resource for your students?
- Can you imagine a variety of your kids finding something of interest in these that will drive them?



Picking A Topic...

- Picking a Topic/Question/
Challenge
- Gathering Basic Knowledge/
Trying Things Out

support-through-questioning



Project Planning...

- In pairs or groups of 3, work through the sample proposal linked on our page



Daily/Weekly Planning...

- Documentation & Reflection Prompts
- Student Learning Template
- Sample Student Journal



Daily/Weekly Documentation...

- Blog
- Wikispaces
- Google Sites
- Edmodo
- others...?



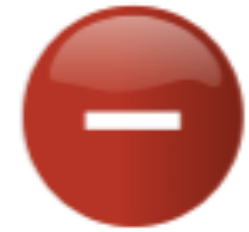
Daily/Weekly Reflection...

- Documentation & Reflection Prompts
- Journals
- Samples





Affordances / Constraints Chart



Planning

Affordances / Strengths	Constraints / Concerns / Weaknesses

Critique Groups

- Thinkering Studio - Critique Session
- Commenting
- Growth in all directions



Informal Sharing

- Helping each other
- Walking Around
- Neighbors



Formal Sharing w/in and outside of class

- Breadcrumbs/Teaching Others/
Paying It Forward
- Publishing Options
- Mini Maker Faire
- Parent Conferences
- Portfolios



Outside Connections

- Campus Experts
- Community Experts
- Local Experts
- Global Experts
- Relative Experts



#1st5Fridays

How Might We Start This Year?



Building Community

Who else might we learn
with and from?

#geniushour



Roles

The Housewarming

The Quiz

The Teacher



Teacher Role(s)

What is the teachers role during this kind of learning experience?

- Table Brainstorm
- Pick 5-6 roles to share



Student Role(s)

What is the students role during this kind of learning experience?

- Partner Up!
- Add to Google Doc

<http://tinyurl.com/StAB-Roles>



(re)Designing w Focus & Intention

#StABFriday

